

Pyridoxal reactions with amines and aliphatic diamines

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Abstract

© 2016, Pleiades Publishing, Ltd. Interaction of pyridoxal (3-hydroxy-5-hydroxymethyl-2-methylisonicotinaldehyde) with amines, mono- and disubstituted diamines led to the formation of compounds having in their structure imine, imidazolidine, and pyrimidine moieties. Structure of the obtained compounds was proved by IR data, ^1H NMR spectroscopy, mass spectrometry, and X-ray diffraction analysis.

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Keywords

aliphatic diamines, amines, pyridoxal, pyridoxalimidazolidines, pyridoxalimines